TABLE OF CONTENTS

Volume 108

ARTICLES

CHERYL KLIPP and L. MAHRT / Conditional Analysis of an Internal Boundary Layer 1–17

YUJI OHYA and TAKANORI UCHIDA / Turbulence Structure of Stable Boundary Layers with a Near-Linear Temperature Profile 19–38

B. MARCOLLA, A. PITACCO and A. CESCATTI / Canopy Architecture and Turbulence Structure in a Coniferous Forest 39–59

CHERYL MCKENNA NEUMAN / Effects of Temperature and Humidity upon the Entrainment of Sedimentary Particles by Wind 61–89

ALBERTO MARTILLI / A Two-Dimensional Numerical Study of the Impact of a City on Atmospheric Circulation and Pollutant Dispersion in a Coastal Environment 91–119

ANNETTE T. HOLLINGSHEAD, STEVEN BUSINGER, ROLAND DRAXLER, JOHN PORTER and DUANE STEVENS / Dispersion Modelling of the Kilauea Plume 121–144

K. KRISHNA MOORTHY, PREETHA S. PILLAI and S. SURESH BABU / Influence of Changes in the Prevailing Synoptic Conditions on the Response of Aerosol Characteristics to Land- and Sea-Breeze Circulations at a Coastal Station 145–161

F. BOETTCHER, CH. RENNER, H.-P. WALDL and J. PEINKE / On the Statistics of Wind Gusts 163–173

CHRISTIAN BARTHLOTT and FRANZ FIEDLER / Turbulence Structure in the Wake Region of a Meteorological Tower 175–190

Research Note

CHRISTOPHE SANZ / A Note on $k - \varepsilon$ Modelling of Vegetation Canopy Air-Flows 191–197

M. GALMICHE and J. C. R. HUNT / On the Effect of Planetary Rotation on Shear and Density Layers in Stratified Flows 201–219

SI-WAN KIM, SOON-UNG PARK and CHIN-HOH MOENG / Entrainment Processes in the Convective Boundary Layer with Varying Wind Shear 221–245

PHILIPPE DROBINSKI and RALPH C. FOSTER / On the Origin of Near-Surface Streaks in the Neutrally-Stratified Planetary Boundary Layer 247–256

MAITHILI SHARAN, T. V. B. P. S. RAMA KRISHNA and ADITI / Surface-Layer Characteristics in the Stable Boundary Layer with Strong and Weak Winds 257–288

M. DE FRANCESCHI and D. ZARDI / Evaluation of Cut-Off Frequency and Correction of Filter-Induced Phase Lag and Attenuation in Eddy Covariance Analysis of Turbulence Data 289–303

Research Note

S. REID / Hilltop Wind Profiles Using Sodar 305–314

AN LI and YAPING SHAO / Numerical Simulation of Drag Partition over Rough Surfaces 317–342

M. G. VILLANI, H. P. SCHMID, H.-B. SU, J. L. HUTTON and C. S. VOGEL / Turbulence Statistics Measurements in a Northern Hardwood Forest 343–364

FRED C. BOSVELD and WILLEM BOUTEN / Evaluating a Model of Evaporation and Transpiration with Observations in a Partially Wet Douglas-Fir Forest 365–396

MARC AUBINET, BERNARD HEINESCH and MICHEL YERNAUX / Horizontal and Vertical CO_2 Advection in a Sloping Forest 397–417

Volume Contents 419–420

Author Index 421

Subject Index 423–424

The 'KLUWER' LaTeX Style File 199, 315, 425